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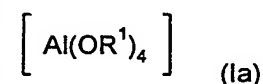
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(54) Title: CATALYST SYSTEM FOR OLEFIN POLYMERIZATION



(57) Abstract: The present invention relates to a catalyst system for olefin polymerization compris-
ing an organic transition metal compound and, as cocatalyst, an ionic compound made up of anions
of the formula (1a), Where the radicals R¹ are identical or different and are each, independently of
one another, a radical R²R³(CF₃)₂, R² is a carbon or silicon atom and R³ is hydrogen, C₁-C₂₀-alkyl,
C₁-C₂₀-fluoroalkyl, C₆-C₂₀-aryl, C₆-C₂₀-fluoroaryl, C₇-C₄₀-arylalkyl, C₇-C₄₀-fluoroarylalkyl, C₇-C₄₀-alkylaryl, C₇-C₄₀-fluoroalky-
laryl or an SiR⁴₃ group, where R⁴ may be identical or different and is each C₁-C₂₀-alkyl, C₁-C₂₀-fluoroalkyl, C₆-C₂₀-aryl, C₆-C₂₀-
fluoroaryl, C₇-C₄₀-arylalkyl, C₇-C₄₀-fluoroarylalkyl, C₇-C₄₀-alkylaryl or C₇-C₄₀-fluoroalkylaryl, and Lewis-acid cations or Brönsted
acids as cations. In addition, the invention relates to the process for preparing such a catalyst system and to a process for the poly-
merization of olefins in which this catalyst system is used.



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